

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

2

Complete if Known

Application Number

09/851,856

Filing Date

May 9, 2001

First Named Inventor

Robert Mays Jr.

Group Art Unit

2633

Examiner Name

Curs, Nathan M.

Attorney Docket Number

MYS-01-02|09

U.S. PATENT DOCUMENTS

[illegible]

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

2

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2

Complete if Known

Application Number	09/851,856
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Filing Date	08/25/2000
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First Named Inventor	Robert Mays Jr.
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Group Art Unit	2633
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Examiner Name	Curs, Nathan M.
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Attorney Docket Number | **MYS—01-0219**

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

[illegible]

**Examiner
Signature**

Date Considered

9/3/04

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Substitute for form 1449A/PTO

APR 22 2004

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

1

of

3

Complete if Known

Application Number	09/851,856
Filing Date	May 9, 2001
First Named Inventor	Robert Mays Jr.
Group Art Unit	2633
Examiner Name	Curs, Nathan M.
Attorney Docket Number	MYS-01-02109

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
MC	B1	3,610,926		Kastner et al.	10-05-1971	
MC	B2	3,751,132		Croh	08-07-1973	
MC	B3	3,785,736		Spitz et al.	01-15-1974	
MC	B4	4,807,978		Grinberg et al.	02-28-1989	
MC	B5	4,897,541		Phillips	01-30-1990	
MC	B6	4,991,150		Wixom	02-05-1991	
MC	B7	5,008,890		McFarlane	04-16-1991	
MC	B8	5,245,623		McFarlane	09-14-1993	
MC	B9	5,325,386		Jewell et al.	06-28-1994	
MC	B10	5,369,415		Richard et al.	11-29-1994	
MC	B11	5,399,315		Paz-Pujalt et al.	03-21-1995	
MC	B12	5,411,709		Furuki et al.	05-02-1995	
MC	B13	5,446,334		Gaffney	08-29-1995	
MC	B14	5,446,572		Husbands et al.	08-29-1995	
MC	B15	5,467,104		Furness, III et al.	11-14-1995	
MC	B16	5,521,913		Gridley	05-28-1996	
MC	B17	5,596,339		Furness, III et al.	01-21-1997	
MC	B18	5,602,679		Dolgoff et al.	02-11-1997	
MC	B19	5,622,868		Clarke et al.	04-22-1997	
MC	B20	5,659,327		Furness, III et al.	08-19-1997	
MC	B21	5,793,919		Payne et al.	08-11-1998	
MC	B22	5,822,091		Baker	10-13-1998	
MC	B23	5,886,822		Spitzer	03-23-1999	
MC	B24	5,915,097		Chao	06-22-1999	
MC	B25	5,943,149		Cearns et al.	08-24-1999	
MC	B26	6,008,781		Furness, III et al.	12-28-1999	
MC	B27	6,055,099		Webb	04-25-2000	
MC	B28	6,079,252		Tabler et al.	06-27-2000	
MC	B29	6,081,430		La Rue	06-27-2000	
MC	B30	6,083,767		Tjaden et al.	07-04-2000	
MC	B31	6,144,472		Knox	11-07-2000	
MC	B32	6,151,144		Knox	11-21-2000	
MC	B33	6,185,215		Aho	02-06-2001	
MC	B34	6,246,680		Muller et al.	06-12-2001	
Examiner Signature					Date Considered	9/3/04

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet	2	of	3
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Application Number	09/851,856
Filing Date	May 9, 2001
First Named Inventor	Robert Mays Jr.
Group Art Unit	2633
Examiner Name	Curs, Nathan M.
Attorney Docket Number	MYS-01-02109

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Date Considered

9/3/02

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Substitute for form 1449B/PTO		APR 22 2004		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number		09/851,856	
		Filing Date		May 9, 2001	
		First Named Inventor		Robert Mays Jr.	
		Group Art Unit		2633	
		Examiner Name		Curs, Nathan M.	
Sheet	3	of	3	Attorney Docket Number	
MYS-01-02109					


OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MC	B39	Hariharan, P. <i>Optical Holography: Principles, Techniques and Applications</i> . Cambridge: Cambridge University Press, 2 nd Edition, pp. 213-223, 1996.	
MC	B40	Stewart, James E. <i>Optical Principles and Technology for Engineers</i> . New York: Marcel Dekkar, pp. 45-51 and 79-81, 1996.	
MC	B41	Mays, Robert Jr. "Network Switch Employing Free-Space Optical Switching Technique," U.S. Patent Application Publication 2002/0191598. Published on December 19, 2002.	
MC	B42	Mays, Robert Jr. "Computer Backplane Employing Free-Space Optical Interconnect," U.S. Patent Application Publication 2002/0089709. Published on July 11, 2002.	
MC	B43	Mays, Robert Jr. "Network Routing Employing Free-Space Optical Broadcasting," U.S. Patent Application Publication 2002/0191254. Published on December 19, 2002.	

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Sheet

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Application Number	09/851,856
Filing Date	05/09/2001
First Named Inventor	Robert Mays Jr.
Group Art Unit	2633
Examiner Name	Curs, Nathan M.
Attorney Docket Number	MYS-01-02I09

U.S. PATENT DOCUMENTS

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Application Number	09/851,856
Filing Date	May 9, 2001
First Named Inventor	Mays, Robert
Group Art Unit	2633
Examiner Name	Unassigned
Attorney Docket Number	MYS-01-02 09

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
HC	AA	4,057,319		Ash et al.	Nov. 8, 1977	
HC	AB	4,710,605		Presby	Dec. 1, 1987	
HC	AC	4,817,207		Smith et al.	Mar. 28, 1989	
HC	AD	4,932,989		Presby	Jun. 12, 1990	
HC	AE	4,953,954		Ewbank et al.	Sep. 4, 1990	
HC	AF	5,011,254		Edwards et al.	Apr. 30, 1991	
HC	AG	5,140,657		Thylen	Aug. 18, 1992	
HC	AH	5,256,851		Presby	Oct. 26, 1993	
HC	AI	5,446,816		Shiraishi et al.	Aug. 29, 1995	
HC	AJ	5,515,194		Kanterakis et al.	May 7, 1996	
HC	AK	5,677,778		Kanterakis et al.	Oct. 14, 1997	
HC	AL	5,699,464		Marcuse et al.	Dec. 16, 1997	
HC	AM	5,772,720		Taira-Griffin et al.	Jun. 30, 1998	
HC	AN	5,809,198		Weber et al.	Sep. 15, 1998	
HC	AO	5,832,147		Yeh et al.	Nov. 3, 1998	
HC	AP	5,935,288		DiGiovanni et al.	Aug. 10, 1999	
HC	AQ	6,072,579		Funato	Jun. 6, 2000	
HC	AR	6,246,026		Vergeest	Jun. 12, 2001	

FOREIGN PATENT DOCUMENTS

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1/2/04

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Sheet 1 of 7

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Application Number	09/851,856
Filing Date	May 9, 2001
First Named Inventor	Mays, Robert J.
Art Unit	2633
Examiner Name	Curs, Nathan M.
Attorney Docket Number	MYS-01-02-109

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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